

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A fixed transmitting station of a wireless telecommunication system comprising:

an antenna connected to said fixed transmitting station;

measurement means for in-situ electromagnetic field measurements of an electromagnetic environment of the antenna at the fixed transmitting station, the electromagnetic field measurements being made by a fixed measurement probe mounted on said antenna,

means for transmitting of data being indicative of a measurement result from the measurement means to a central control unit;

a data processor that processes said data, and assesses at least one of electromagnetic field levels and a drift of electromagnetic parameters related to said electromagnetic environment; and

a measurement device, coupled to said fixed measurement probe, that transmits signals to said measurement device and to a central control unit comprising an operation and maintenance center such that said data can be centrally monitored,

wherein radio link parameters of the fixed transmitting station are controlled based on said electromagnetic field measurement.

2. (previously presented) The fixed transmitting station of claim 1, the measurement means being mounted on the antenna, the antenna being coupled to at least one cable for one of (a) transmitting of radio frequency up-link and down-link signals and the at least one cable being connected to the measurement means in order to couple the measurement means to a power supply, and (b) for transmitting of the data being indicative of a measurement result.

3. (canceled).

4. (canceled).

5. (currently amended): The fixed transmitting station of claim [[3]]1, the data processing means being adapted to generate one of a report and an alert message for the central control unit.

6. (Original) The fixed transmitting station of claim 1, further comprising means for controlling of at least one network parameter of the wireless telecommunication system based on the data.

7. (canceled).

8. (currently amended): A method of monitoring a fixed transmitting station of a wireless telecommunication system, the method comprising the steps of:

at a fixed location on the fixed transmitting station, measuring of an electromagnetic field of an electromagnetic environment of an antenna of the fixed transmitting station by a fixed measurement probe mounted on said antenna,

transmitting of data being indicative of a measurement result of the measurement to a central control unit comprising an operation and maintenance center,

processing said data in a data processor,
assessing, via said data processor, at least one of electromagnetic field levels and a drift
of electromagnetic parameters related to said electromagnetic environment,
transmitting, via a measurement device coupled to said fixed measurement probe, signals
to said measurement device and to the central control unit, such that said data can be centrally
monitored, and
controlling radio link parameters of the fixed transmitting station based on said
electromagnetic field measurement.

9. (Original) The method of claim 8 further comprising controlling of at least one network parameter of the wireless telecommunication system based on the data.

10. (currently amended): A computer program product including a digital storage medium, comprising program means for performing the steps of:

measuring an electromagnetic field measurement by a fixed measurement probe mounted
on an antenna,

inputting of data being indicative of a measurement result of ~~an~~the electromagnetic field measurement of an electromagnetic environment of ~~an~~the antenna of a fixed transmitting station of a wireless telecommunication system, said electromagnetic field measurement being performed at a fixed location of said fixed transmitting station, and

processing of the data in a data processor for the purpose of at least one of data monitoring and controlling of at least one network parameter of the wireless telecommunication system,

assessing, via said data processor, at least one of electromagnetic field levels and a drift of electromagnetic parameters related to said electromagnetic environment,

transmitting, via a measurement device coupled to said fixed measurement probe, signals to said measurement device and to a central control unit comprising an operation and maintenance center, such that said data can be centrally monitored, and
controlling radio link parameters of the fixed transmitting station based on said electromagnetic field measurement.

11. (currently amended): The fixed transmitting station of claim 1, wherein said measurement means comprises a fixed probe at said fixed transmitting station and connected to said antenna, and further wherein manual interaction is not required for said measurement.

12. (currently amended): The method of claim 8, wherein said measuring comprises monitoring said electromagnetic field measurement at a fixed probe at said fixed transmitting station and connected to said antenna, and further wherein manual interaction is not required for said measuring.

13. (currently amended): The computer readable medium of claim 10, wherein said measurement result is obtained via a fixed probe at said fixed transmitting station and connected to said antenna, and wherein manual interaction is not required for obtaining said measurement.

14. (previously presented) The fixed transmitting station of claim 1, wherein the electromagnetic field measurement at said fixed transmitting station depends on electromagnetic fields of the antenna and an electromagnetic environment of the antenna.

15. (previously presented) The method of claim 8, wherein the electromagnetic field measurement at said fixed transmitting station depends on electromagnetic fields of the antenna and an electromagnetic environment of the antenna.

16. (previously presented): The computer readable medium of claim 10, wherein the electromagnetic field measurement at said fixed transmitting station depends on electromagnetic fields of the antenna and an electromagnetic environment of the antenna.

17. (previously presented) The fixed transmitting station of claim 2, wherein said cable comprises a radio frequency (RF) cable.

18. (previously presented): The fixed transmitting station of claim 1, wherein a change in an electromagnetic environment of the fixed transmitting station, due to an addition of another fixed transmitting station, is immediately reported to said central control unit.

19. (previously presented) The method of claim 8, further comprising immediately reporting to said central control unit a change in the electromagnetic environment of the fixed transmitting station, due to an addition of another fixed transmitting station.

20. (previously presented): The computer readable medium of claim 10, wherein a change in the electromagnetic environment of the fixed transmitting station, due to an addition of another fixed transmitting station, is immediately reported to a central control unit.